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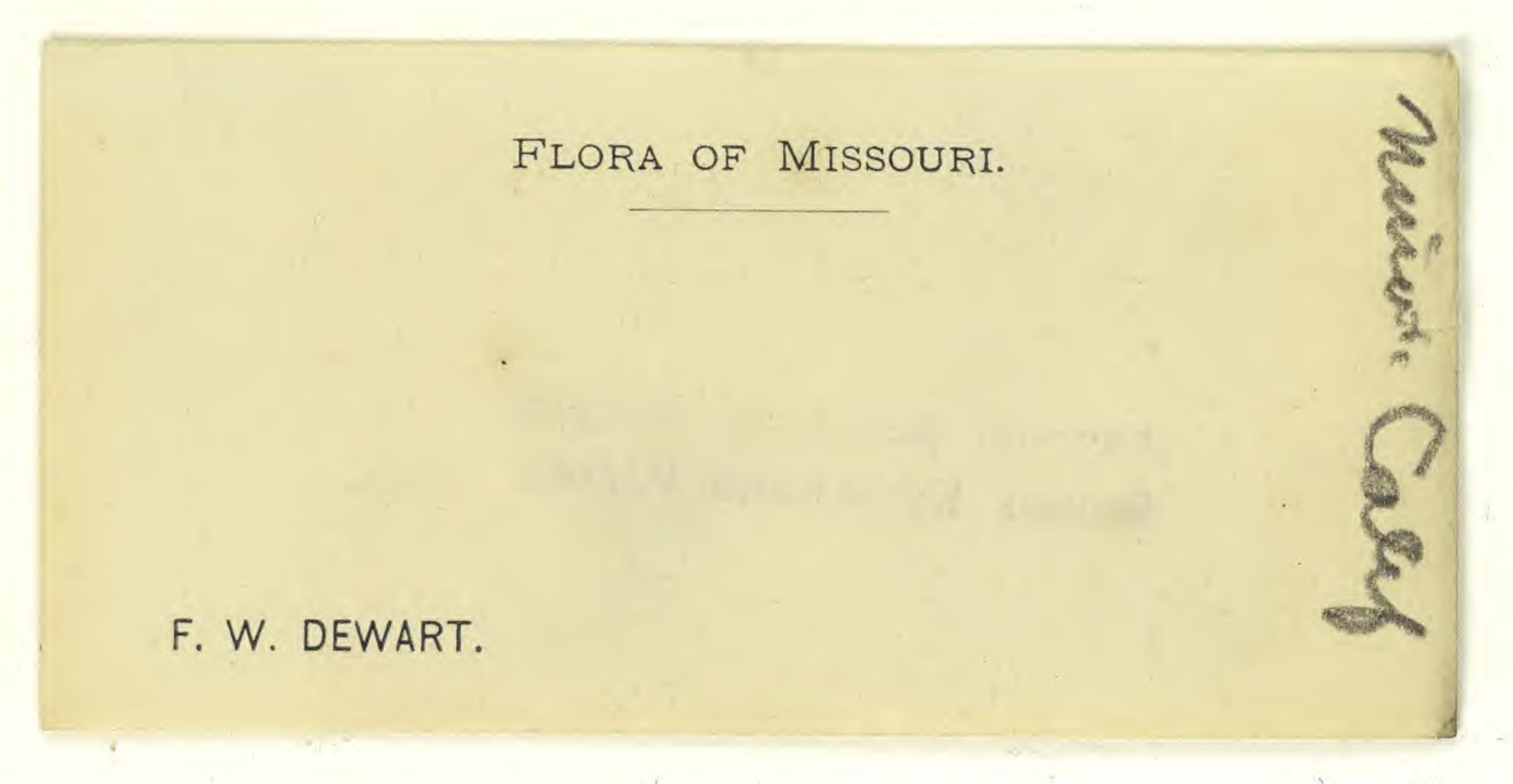


GEORGE ENGELMANN PAPERS

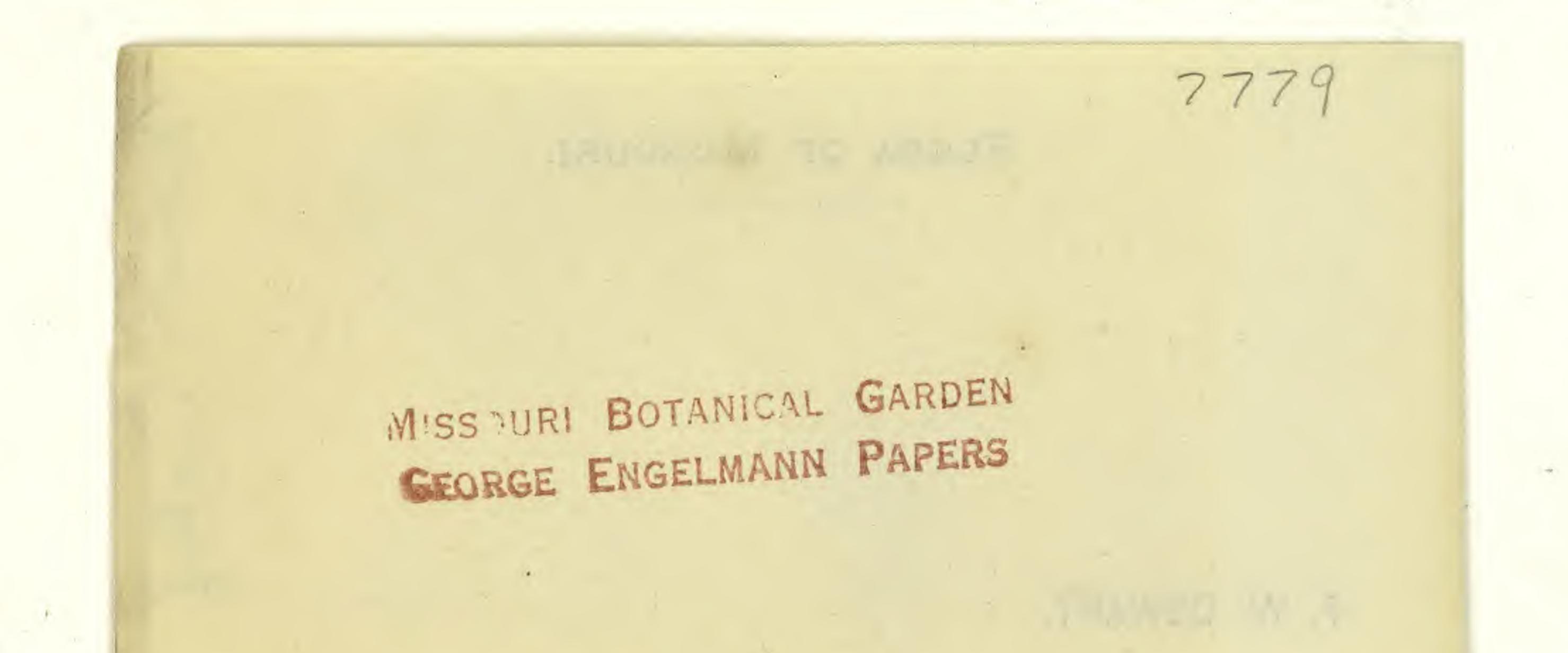
tion of light. They exhibit double refraction quite plain The locality of the mineral is near lat. 39° 40′, long 30′ west of Greenwich, west of south of Salt Lake, in Tas' range of mountains, on Capt. Simpson's return trail. cumstances prevented me from obtaining more than crystals, which are now deposited in the collection Smithsonian Institute; a few others are also in the har members of the party. We were travelling at the tin forced night marches with nearly worn out animals, see

The mountains of the former Territory of Utah promise a rich yield to the mineralogist. We know already of gold and silver ores in the east, west and south part of that district; of copper and lead ores in the south, and I have discovered the latter also in the centre of it; of specular iron ores and native sulphur in the Rocky Mountains and near Little Salt Lake; of rock salt in the mountains south-east of Utah Lake; of native alum near Salt Lake; of various other salts in the deserts; and of silicates, composing the granites, porphyries, diorites, trachytes, and lavas, nearly over the whole area.

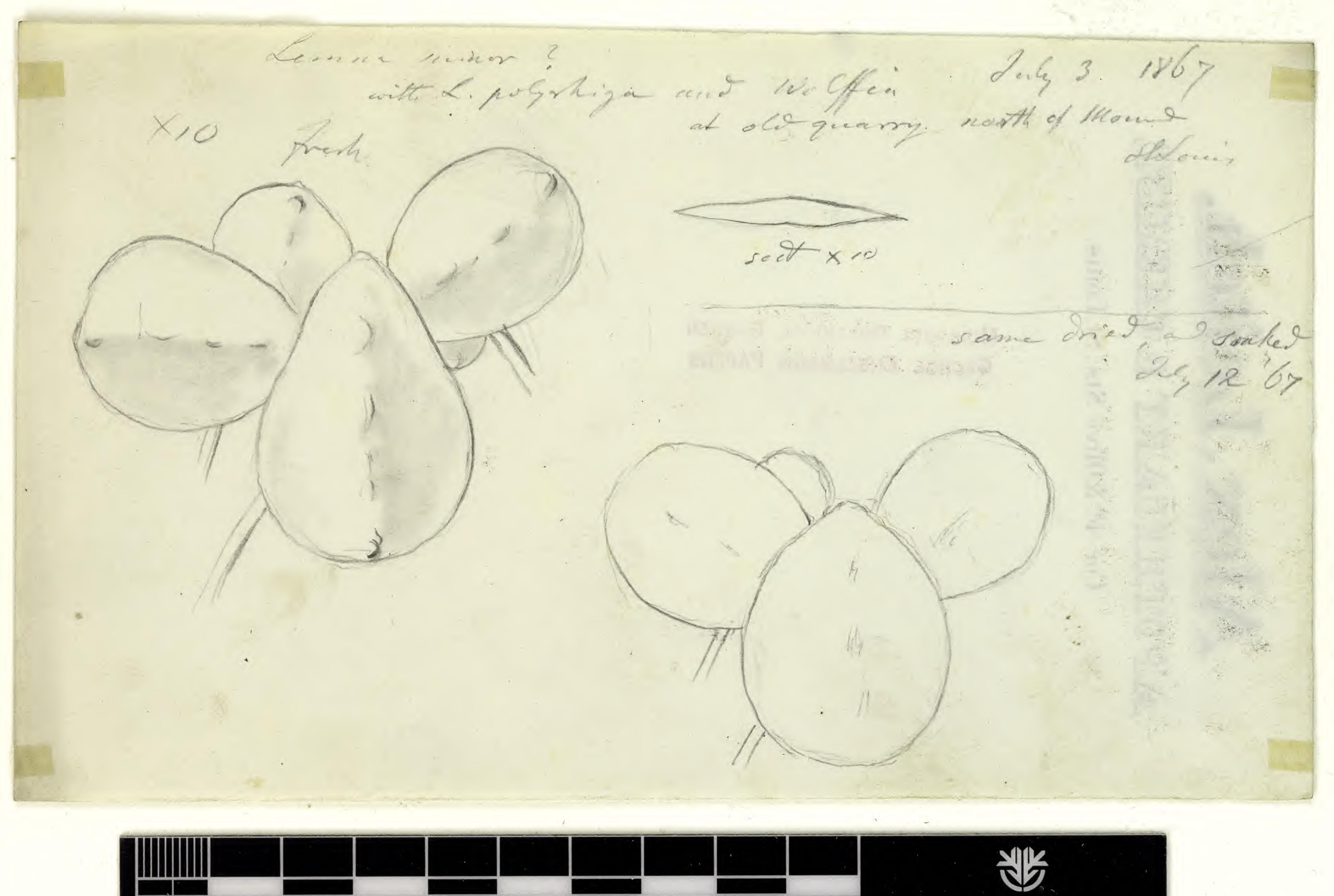






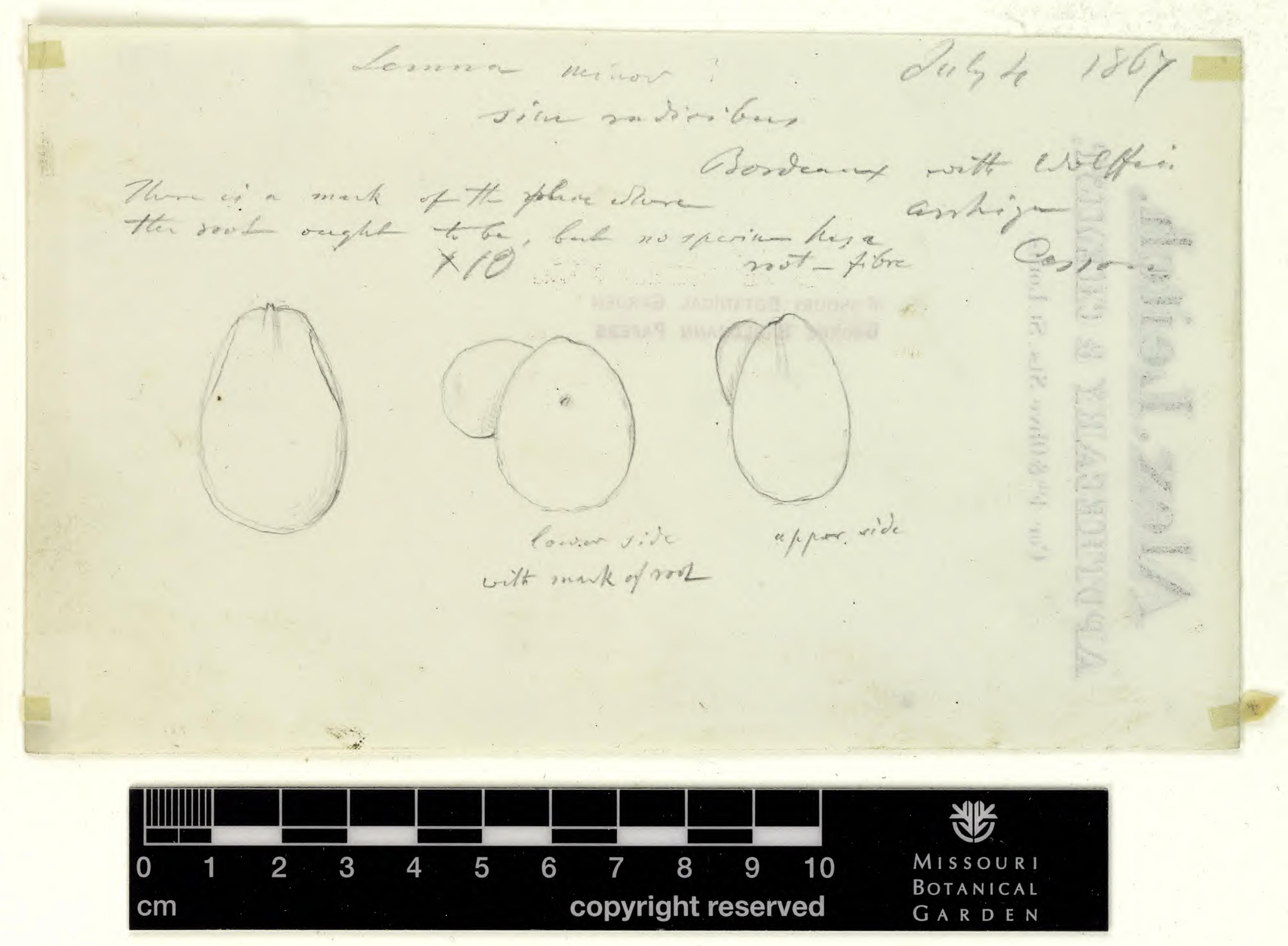




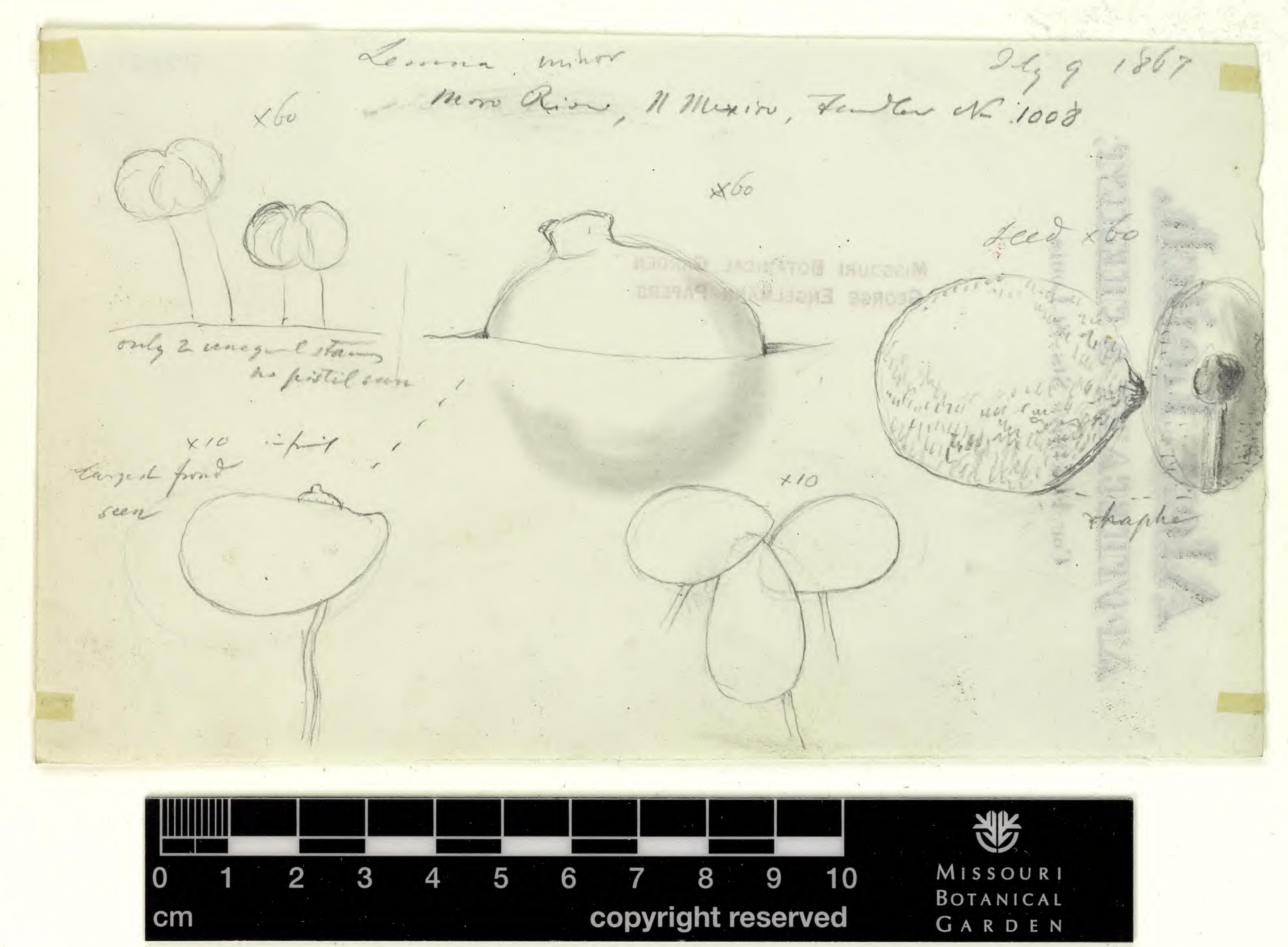




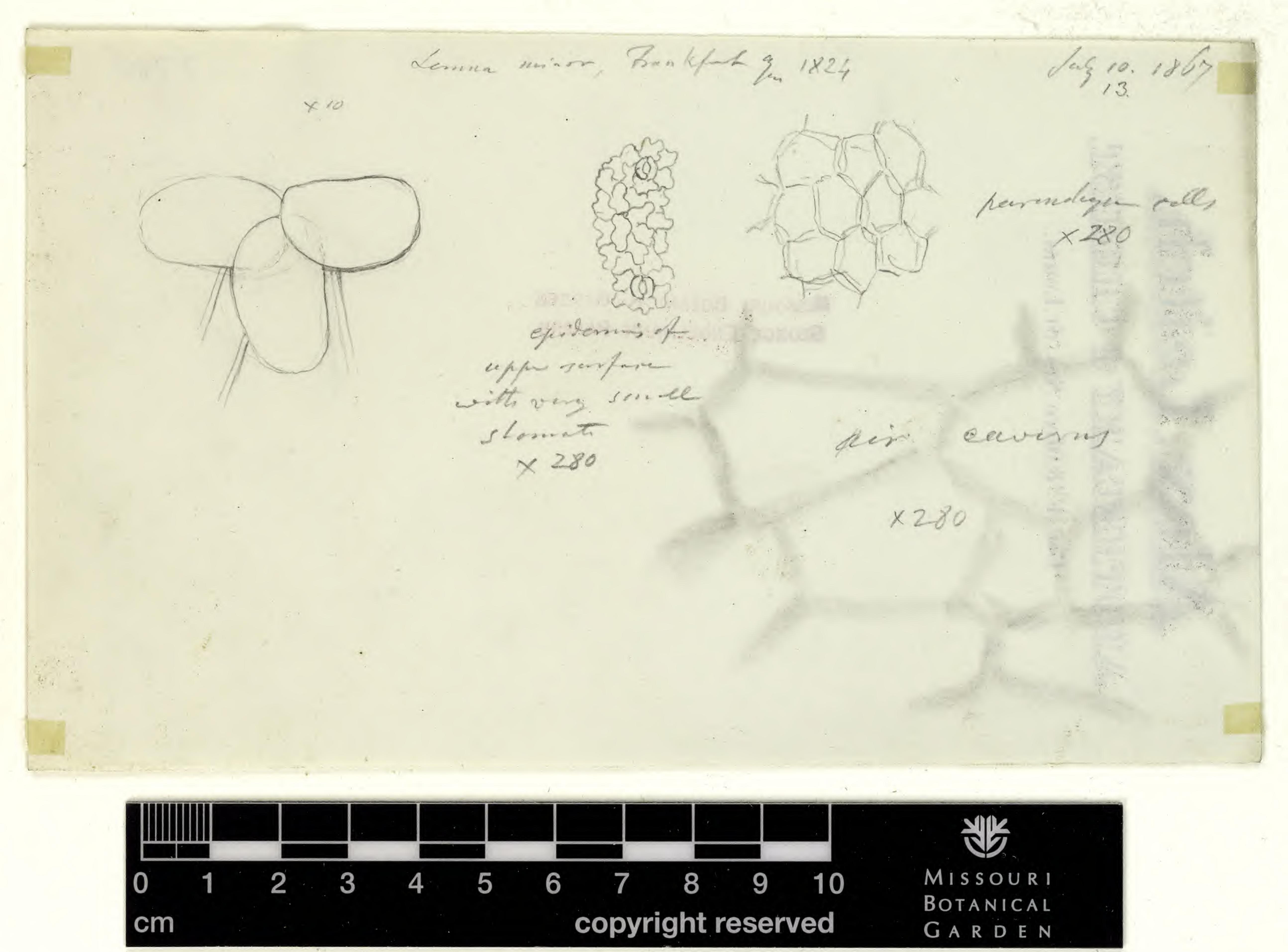


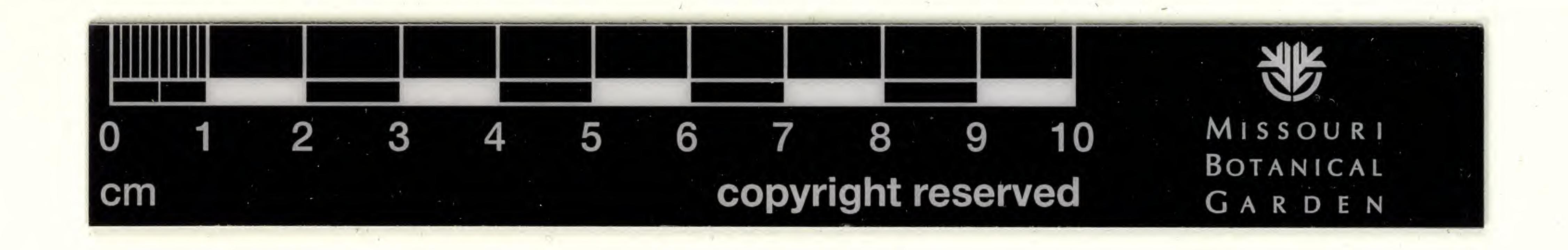


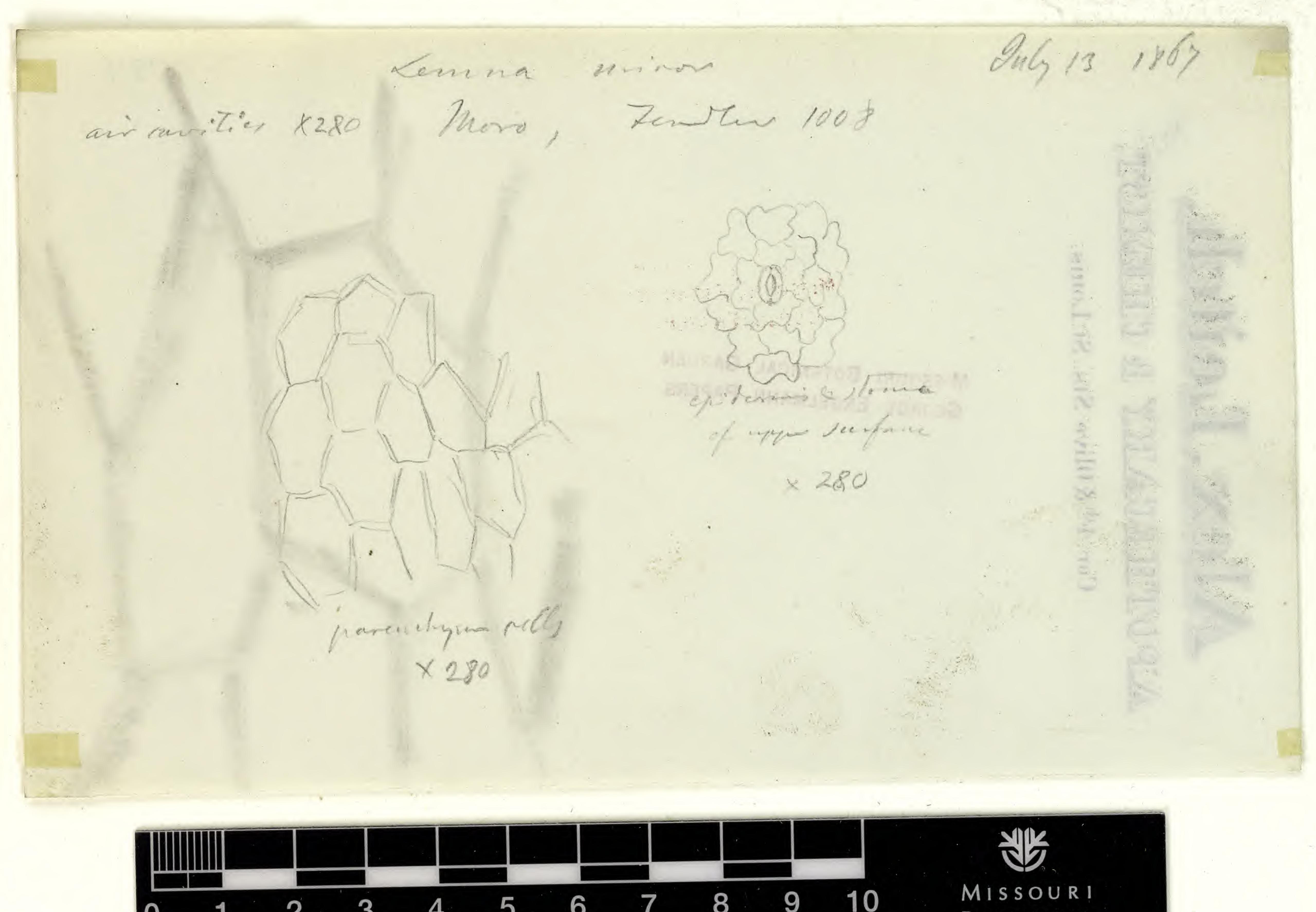












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d. Tribulca

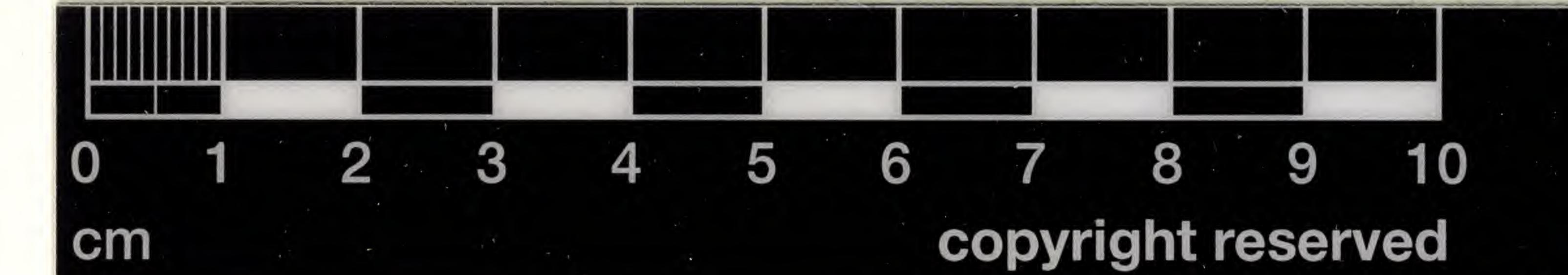
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By Positive Electricity.	In 1861. In 1862.	3 3 12 5 5	23 + el. 36 + el.
		January February March October November December	

EMARKS.

The monthly mean of atmospheric electricity in 1862 was not quite so regular as that in 1861. While in 1861 an mr



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as an undeniable fact.

the months of and October; June, July, and the

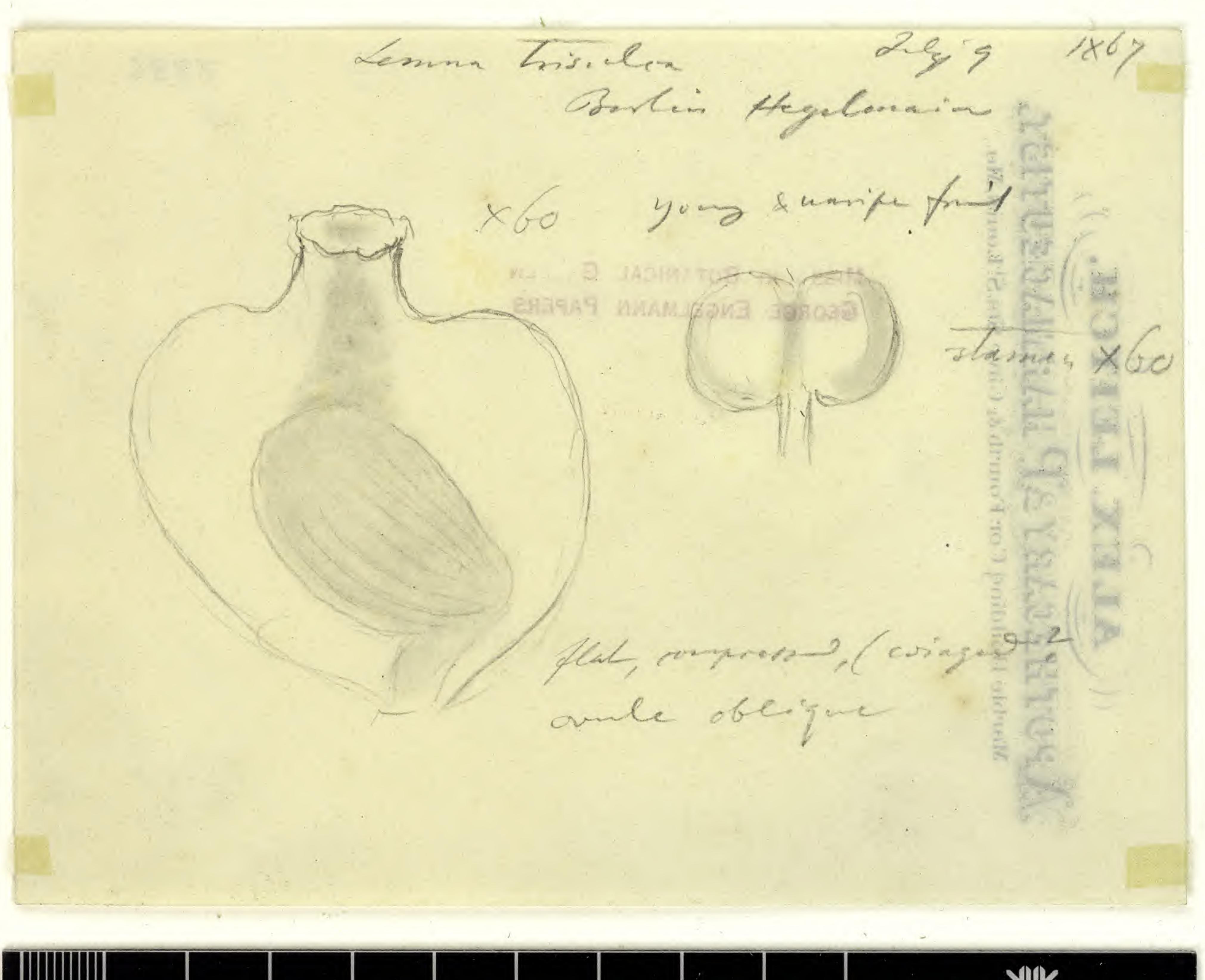
thly mean of

The first group in 1861 is
The second "" "" 52.9-33.5 in 54.6 35.2 10.5

not to be expected eveleast, that the yearly not that of temperature, of r every year; but it seems mean of electricity is as of relative humidity, and of exactly the same, namely, 8.4 nowing the daily these differences are so wel that the mean of the who group prevailed, y periodicity two maxima of at to

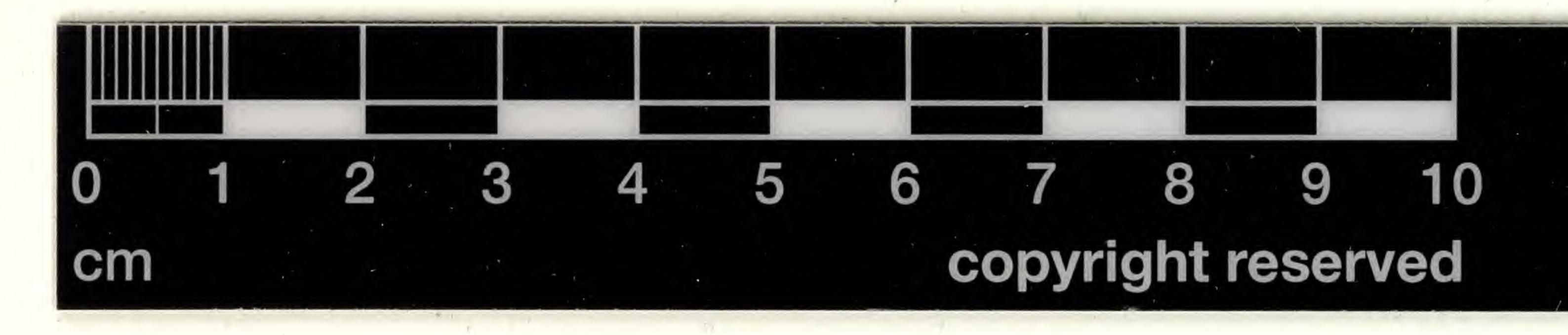
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MISSOURI BOTANICAL GARDEN

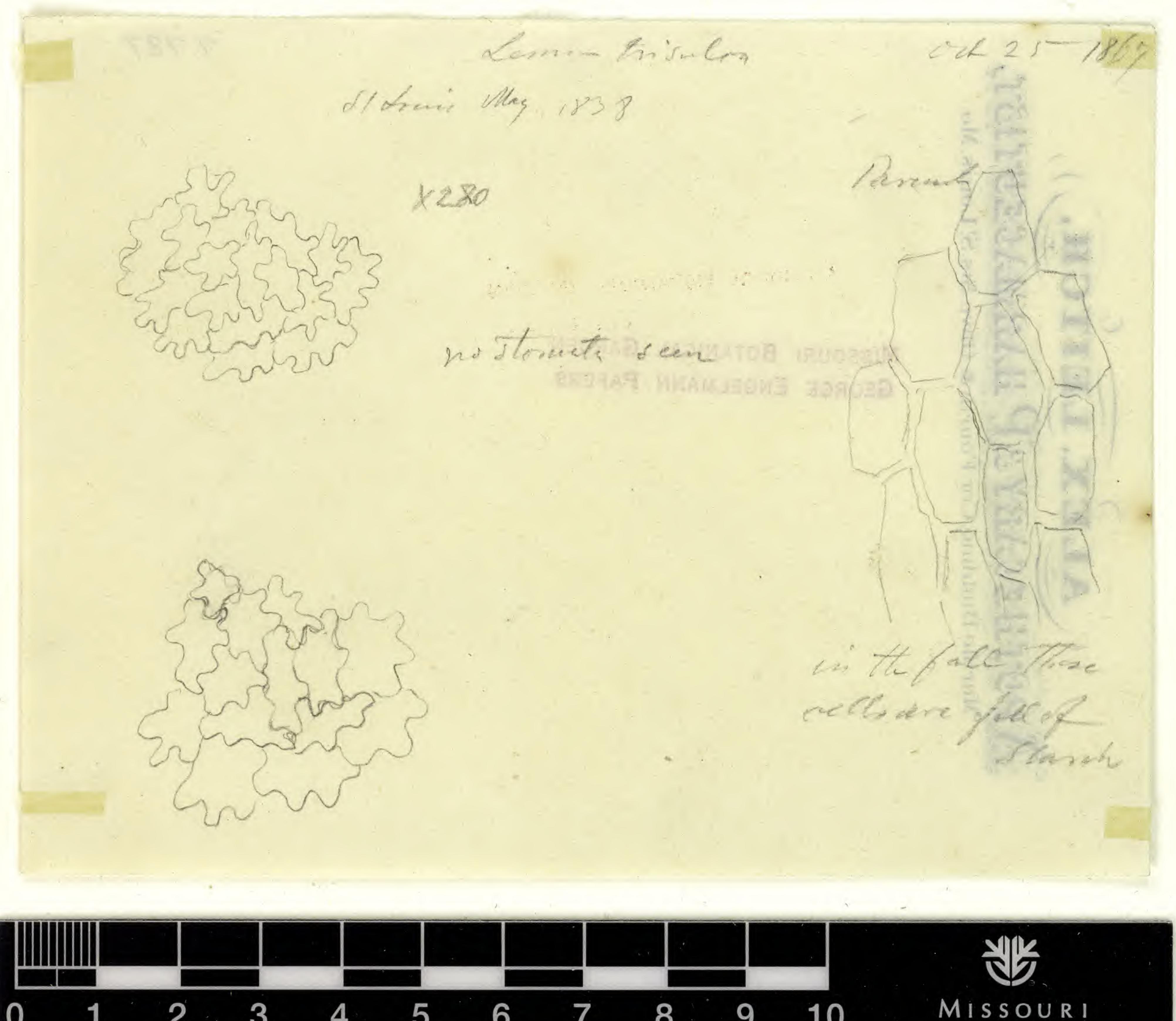




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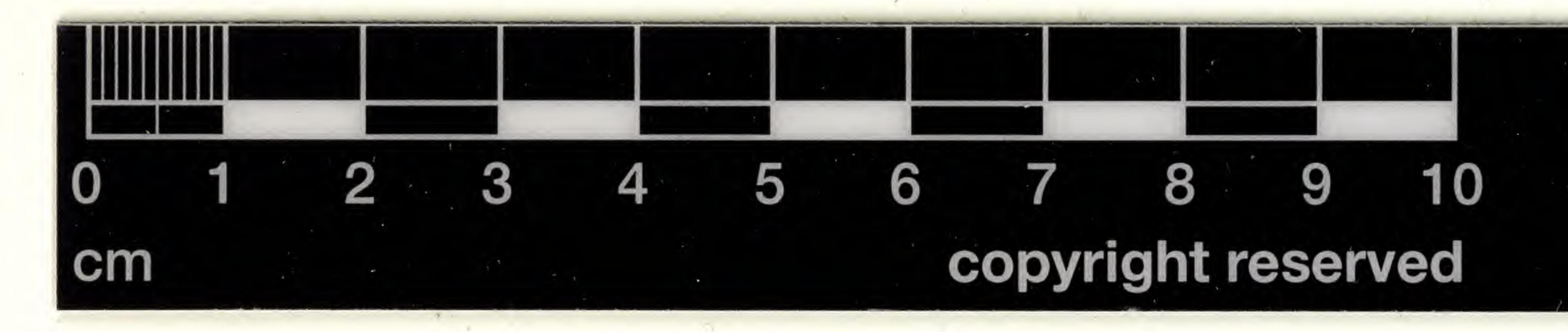




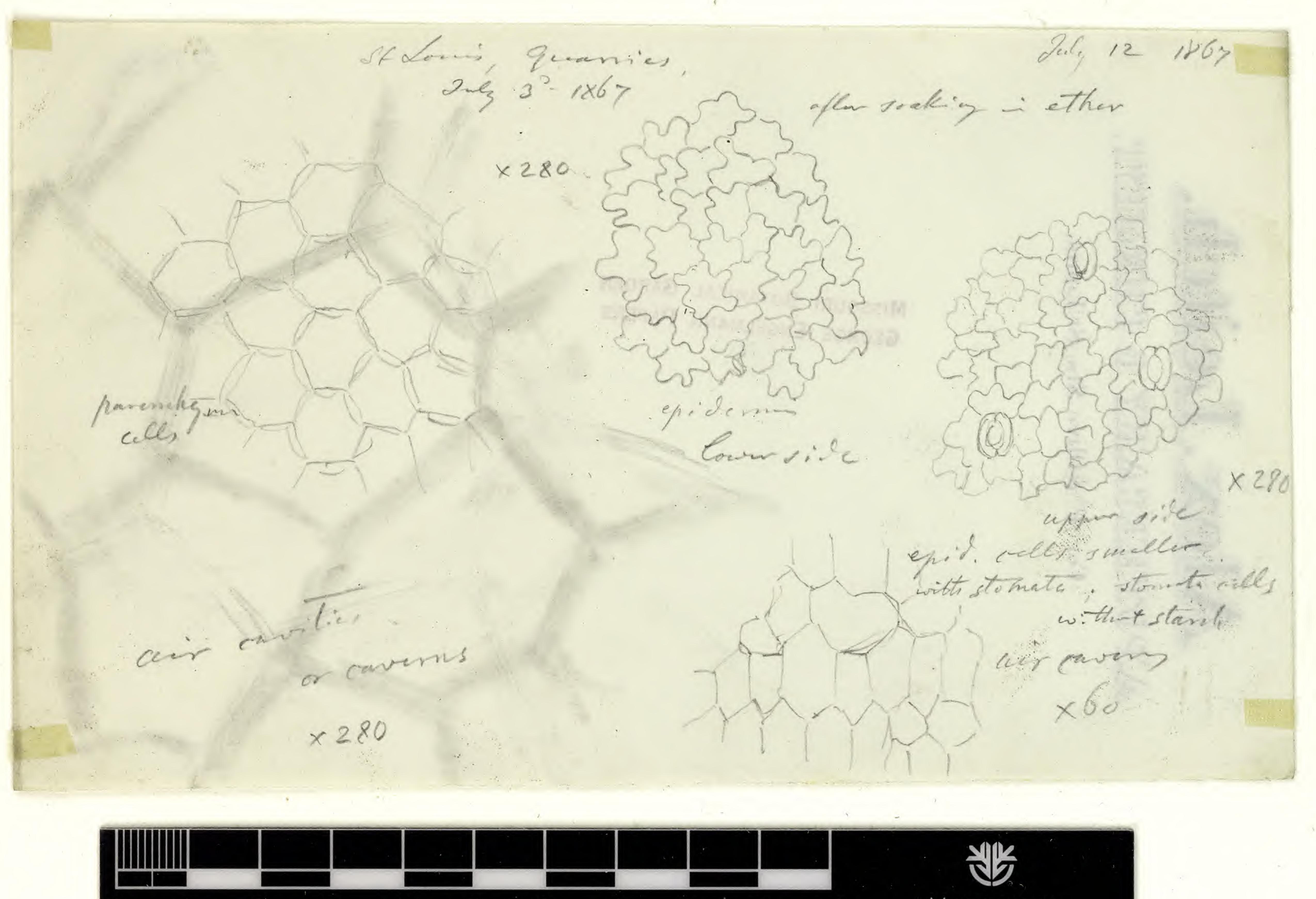


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MISSOURI BOTANICAL GARDEN







Room 16, Johnston Building, Waynesville, Warren leo, Q Oct-26tt, '83, Dr. Geo. Englemann St. Louis. Dear Sir- flom Rund Venna trisulca is need for which I wish to Thank you and to day that very soon after writing you had releutefred, and I regret the Carelepness that pal-you to the mouble of writing. I had never seen L'a trisulca and the ideal I had formed of it was so irroneous That had not referred to its description, It Seems so different from the other species that I have seen that I would have referred et la some other By the niclosed cercular Gon will se that I take some suterest un aquatres. Certhont.

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BOTANICAL GARDEN

special attention growelf I would thank gon to hand it to some one who might be interested, I have a scheme (perhaps utopsian) m Contemplation, which is, lo get fish culture Commissions lo add to their work the propagation. and diffusion of aquatics. tobeen I virilea your Botance Jardens na 1876 but I do not remember seeing any Collection of aquatics, I suppose however you are growing a full line of then. 103 Mough. MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS BOTANICAL copyright reserved cm

GARDEN

Wanted: - Water plants for a pri-The person who recured the care wish living, healthy & received sin ble to projeagate, and were please return The following list with prices marked opposite the names, or hand to some one else who will do so, the javor well De moserly acknowledged. Moderato. Dr. J. B. Bough. Waynesville, Warren Co. Q. Andronieda hypnoides. Malla Caroliniana. Braserroe pellata. Calletrable vernoe. Whrysosplemen americanin. Modlowina implate. 14 2 pobricia Nuttallie. Limanthemun lacunda. L'inosella Concerfolice. Acces major on they Milella: am species. Fontiderea Cordala. Troserpinaca palustro. Todostemmi Ceratophyllum. Salvinia nataus Wolfia: any species. What other rare aqualic can you turnesh? What species of mysiophyllum, potum BOTANICAL

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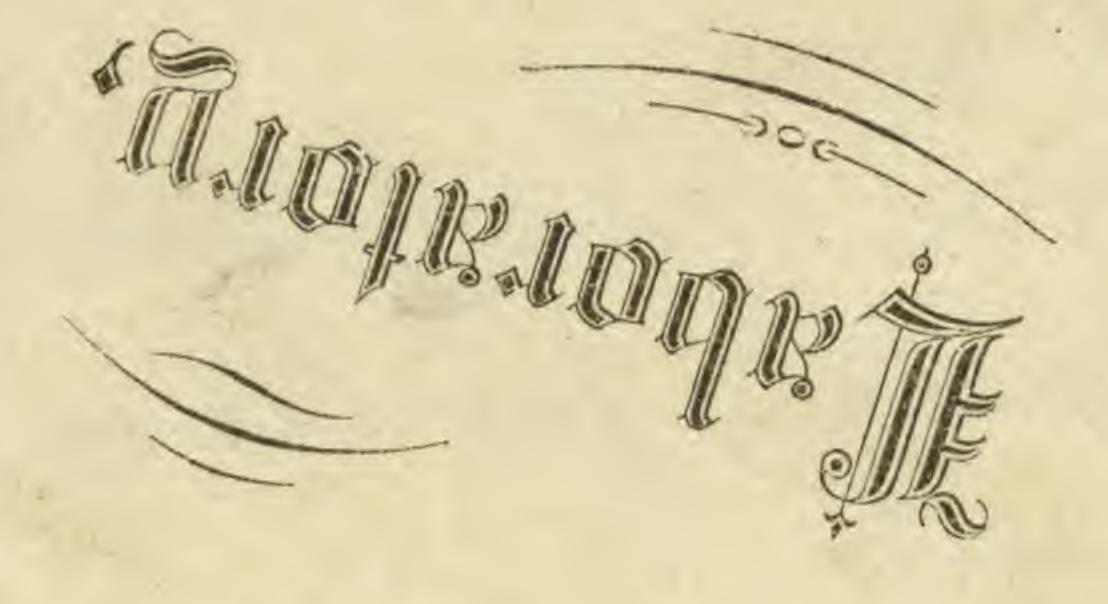
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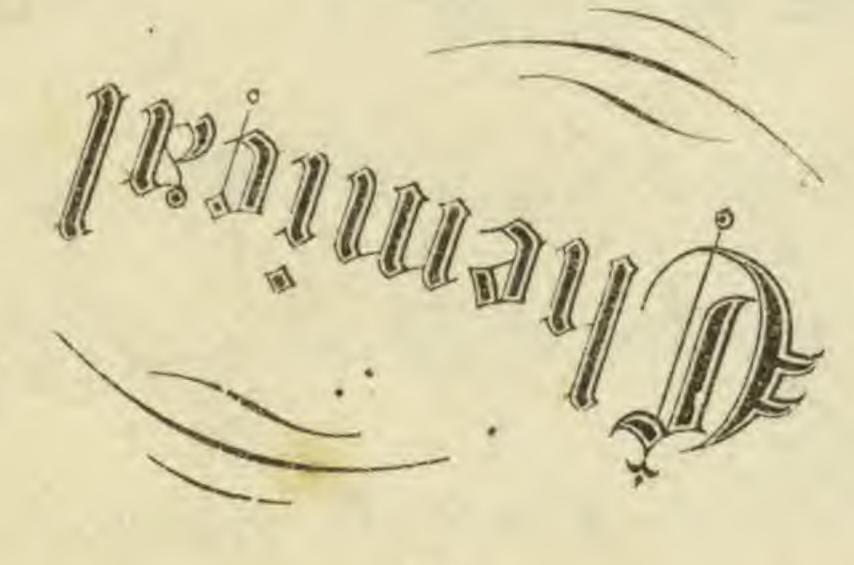
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AN ANTHO

Analytical and Consulting Chemist
and Toxicologist.

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MISSOURI BOTANICAL GARDEN

FLORA OF MISSOURI. F. W. DEWART.



